

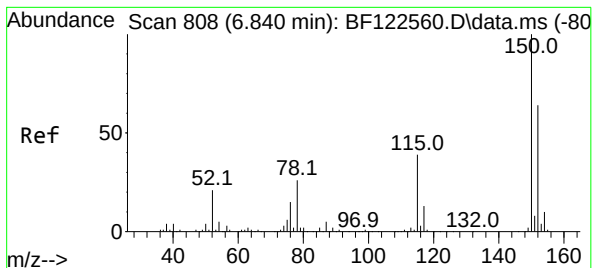
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121120\
 Data File : BF122667.D
 Acq On : 11 Dec 2020 17:12
 Operator : JU/CG
 Sample : L5035-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-8

Quant Time: Dec 12 02:24:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	159664	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	611651	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	317427	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	550874	20.00	ng	0.00
76) Chrysene-d12	14.004	240	376759	20.00	ng	0.00
86) Perylene-d12	15.468	264	394170	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	862046	85.48	ng	0.00
7) Phenol-d6	6.469	99	1079546	80.71	ng	-0.01
23) Nitrobenzene-d5	7.398	82	673887	55.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	288067	69.33	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1067298	45.48	ng	0.00
79) Terphenyl-d14	12.945	244	864561	40.17	ng	-0.01
Target Compounds						
10) Phenol	6.481	94	34748	2.51	ng	89
49) Acenaphthylene	9.734	152	216849	6.73	ng	98
50) Dimethylphthalate	9.592	163	118806	4.69	ng	99
58) Fluorene	10.422	166	56233	2.41	ng	98
71) Phenanthrene	11.386	178	864039	26.39	ng	98
72) Anthracene	11.439	178	137625	4.24	ng	98
75) Fluoranthene	12.580	202	1130135	32.92	ng	99
78) Pyrene	12.810	202	1158187	39.76	ng	99
81) Benzo(a)anthracene	13.992	228	477630m	18.97	ng	
83) Chrysene	14.027	228	532401	21.25	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	282869	10.93	ng	94
88) Benzo(b)fluoranthene	15.045	252	618842m	22.38	ng	
89) Benzo(k)fluoranthene	15.068	252	130437m	5.16	ng	
90) Benzo(a)pyrene	15.404	252	409652	16.93	ng	98
91) Dibenzo(a,h)anthracene	16.927	278	70358	3.32	ng	94
92) Benzo(g,h,i)perylene	17.357	276	282491	13.78	ng	99

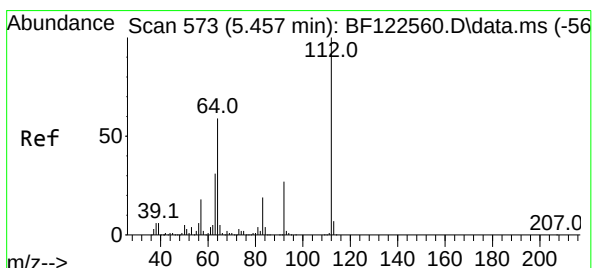
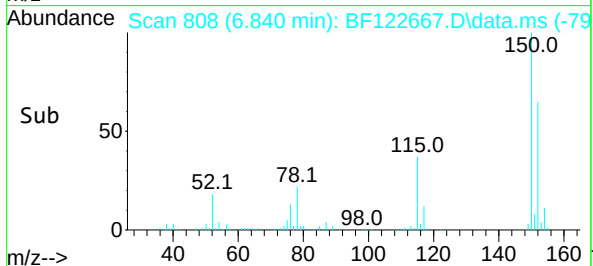
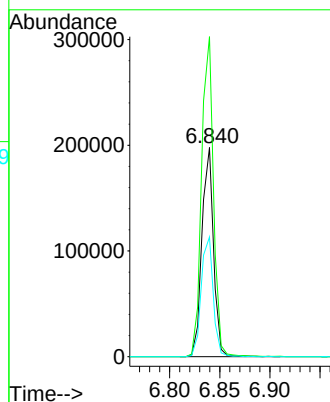
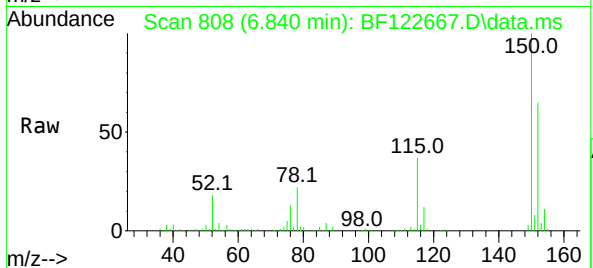
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

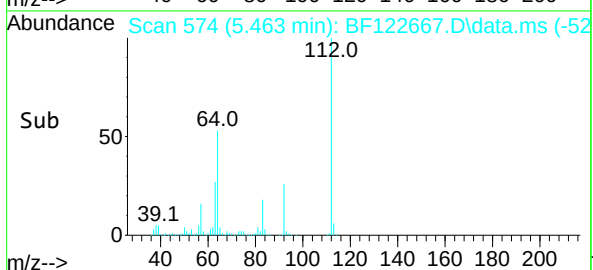
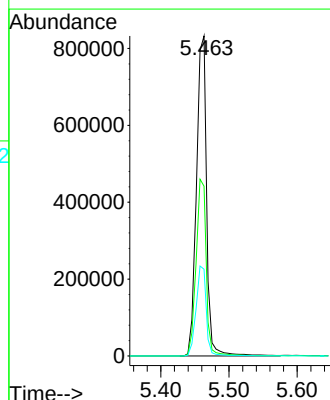
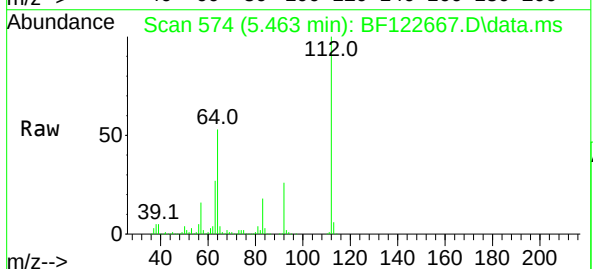
Instrument :
BNA_F
ClientSampleId :
PE-8

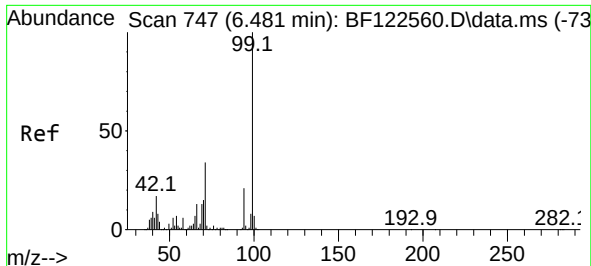
Tgt Ion:152 Resp: 159664
Ion Ratio Lower Upper
152 100
150 153.0 125.8 188.6
115 57.3 49.3 73.9



#5
2-Fluorophenol
Concen: 85.48 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion:112 Resp: 862046
Ion Ratio Lower Upper
112 100
64 53.1 46.9 70.3
63 27.1 24.5 36.7



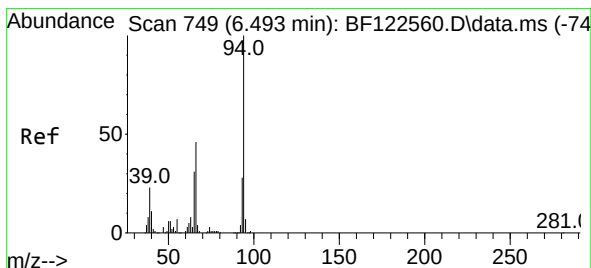
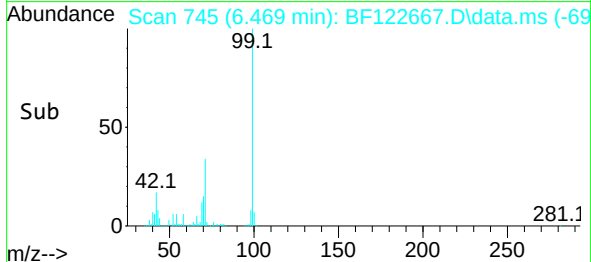
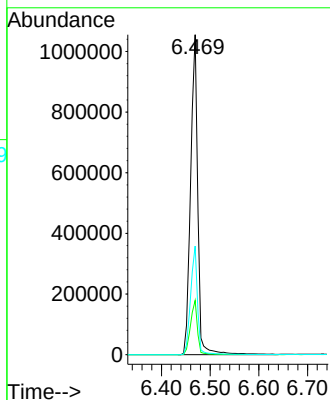
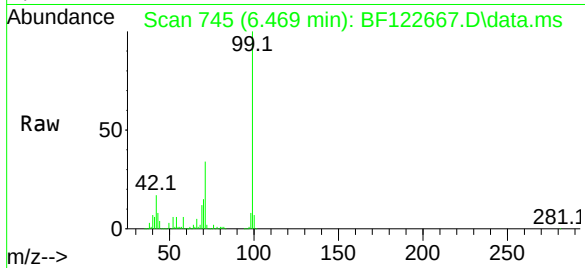


#7
Phenol-d6
Concen: 80.71 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Instrument :
BNA_F
ClientSampleId :
PE-8

Tgt Ion: 99 Resp: 1079546

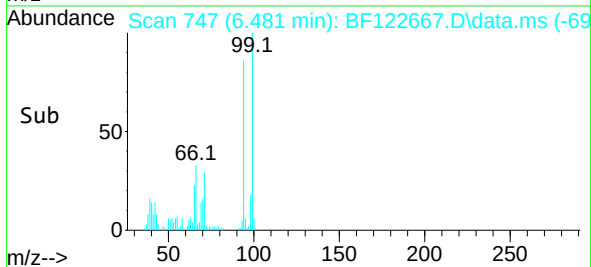
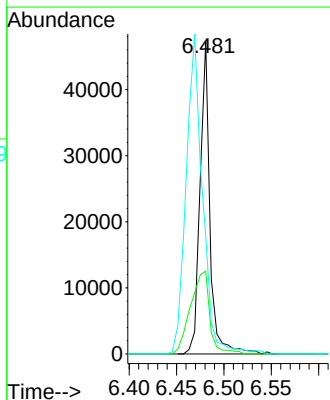
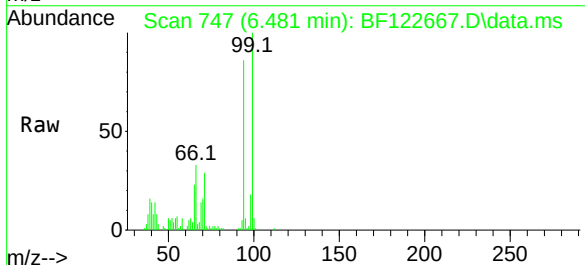
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.8	20.6
71	34.0	26.9	40.3

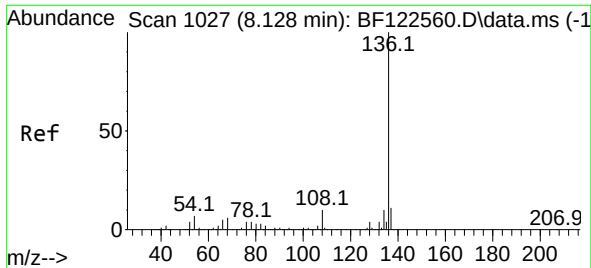


#10
Phenol
Concen: 2.51 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion: 94 Resp: 34748

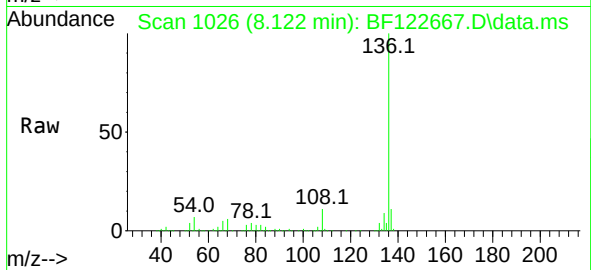
Ion	Ratio	Lower	Upper
94	100		
65	26.5	11.2	51.2
66	37.8	25.8	65.8



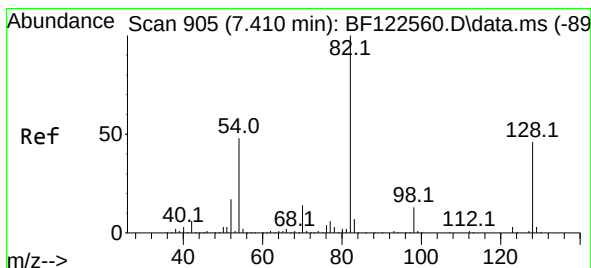
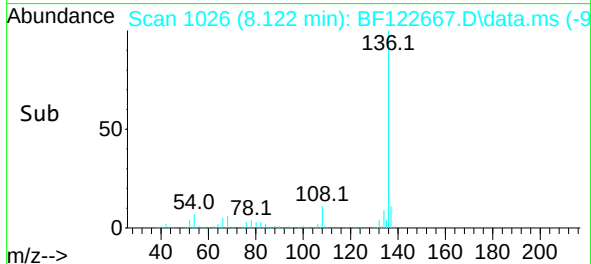
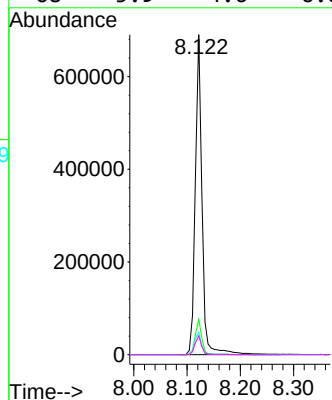


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Instrument :
BNA_F
ClientSampleId :
PE-8

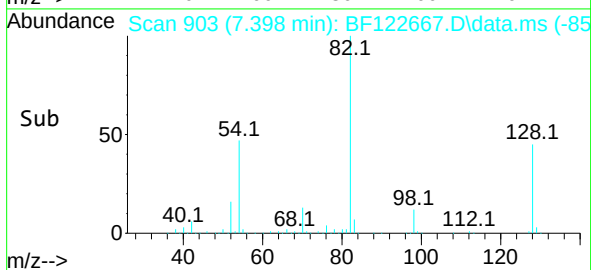
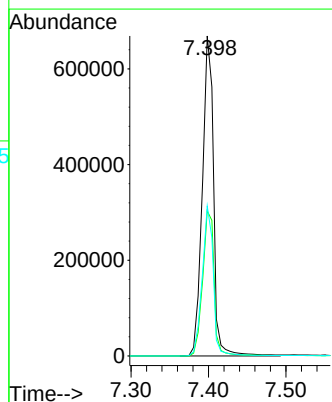
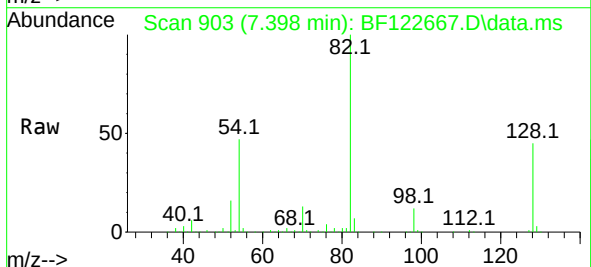


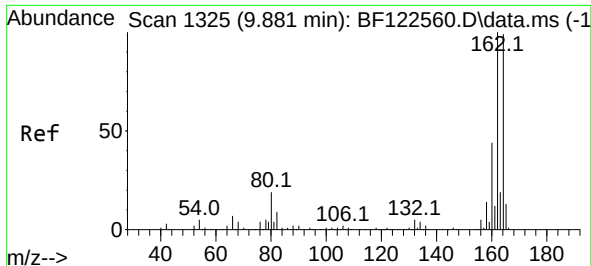
Tgt Ion:136	Resp: 611651
Ion Ratio	Lower Upper
136	100
137	11.1 8.8 13.2
54	7.0 5.5 8.3
68	5.9 4.6 6.8



#23
Nitrobenzene-d5
Concen: 55.20 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion: 82	Resp: 673887
Ion Ratio	Lower Upper
82	100
128	45.4 37.0 55.4
54	46.8 38.4 57.6





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

Instrument :

BNA_F

ClientSampleId :

PE-8

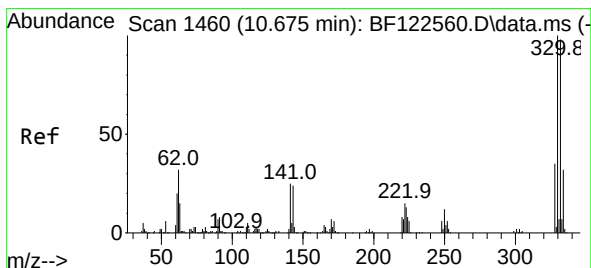
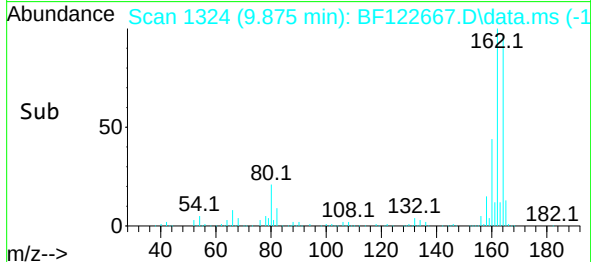
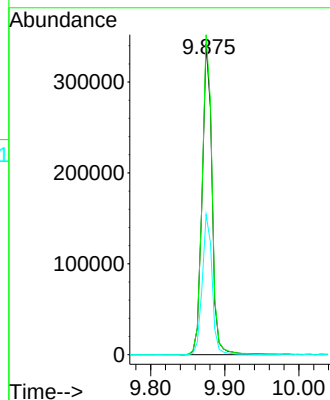
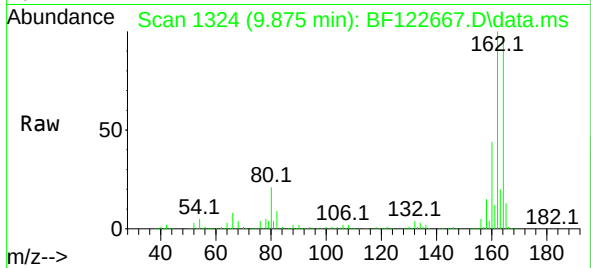
Tgt Ion:164 Resp: 317427

Ion Ratio Lower Upper

164 100

162 102.9 80.8 121.2

160 45.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 69.33 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

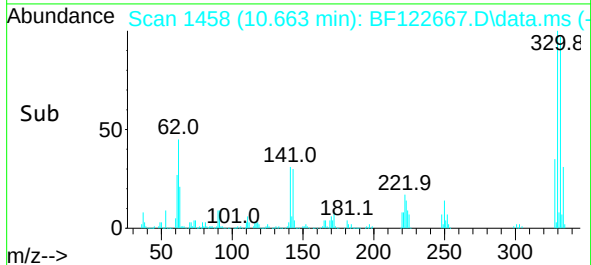
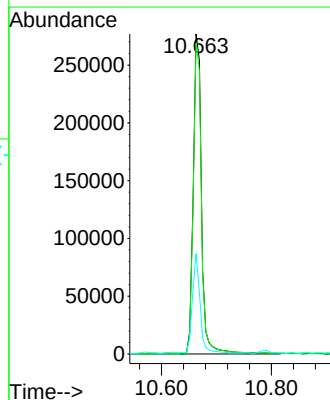
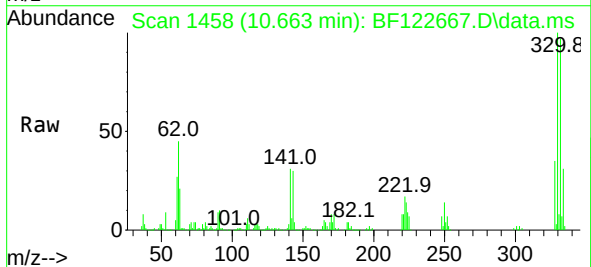
Tgt Ion:330 Resp: 288067

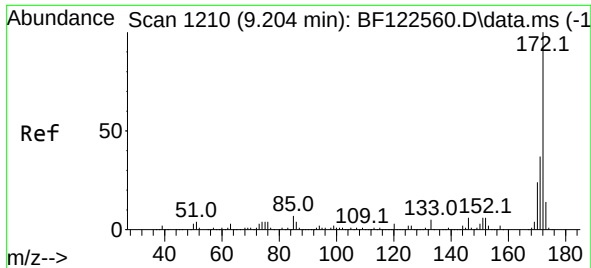
Ion Ratio Lower Upper

330 100

332 96.6 77.5 116.3

141 28.2 23.8 35.8

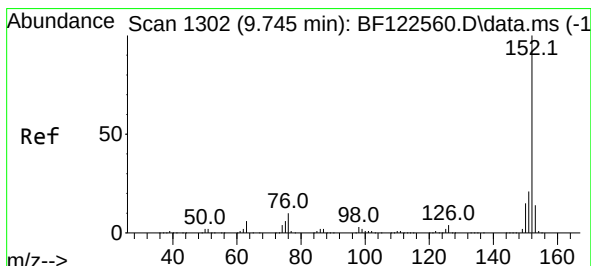
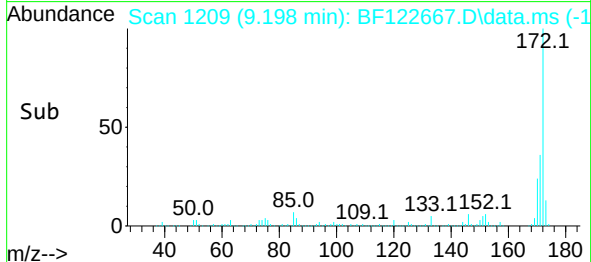
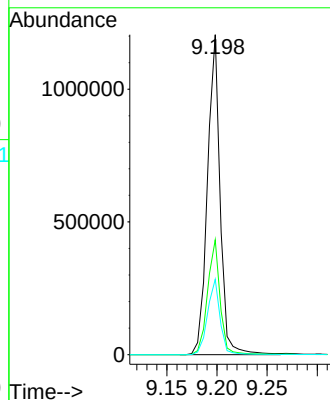
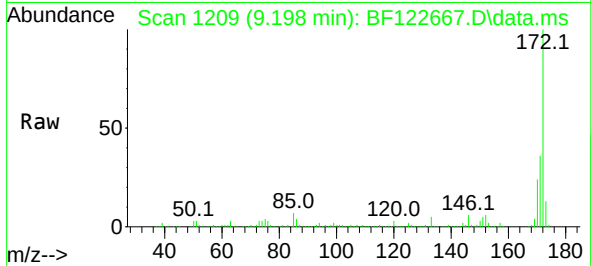




#45
2-Fluorobiphenyl
Concen: 45.48 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

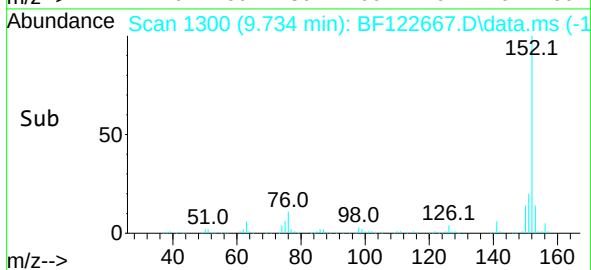
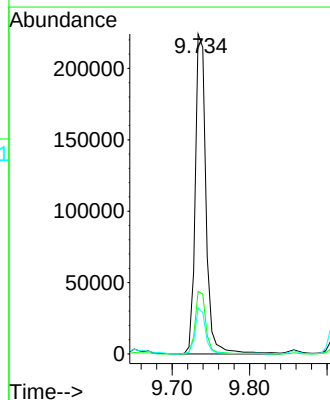
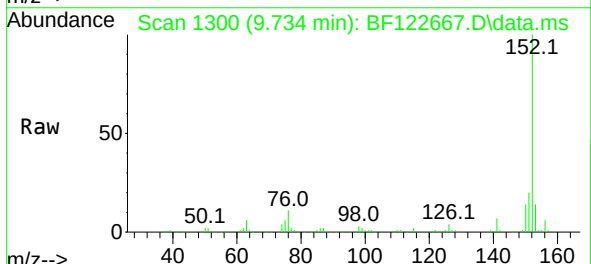
Instrument :
BNA_F
ClientSampled :
PE-8

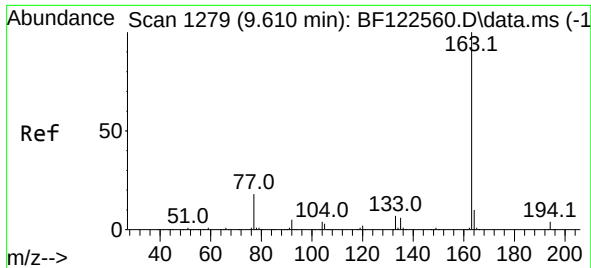
Tgt Ion:172 Resp: 1067298
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.6 19.5 29.3



#49
Acenaphthylene
Concen: 6.73 ng
RT: 9.734 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion:152 Resp: 216849
Ion Ratio Lower Upper
152 100
151 19.5 16.6 25.0
153 14.3 10.9 16.3

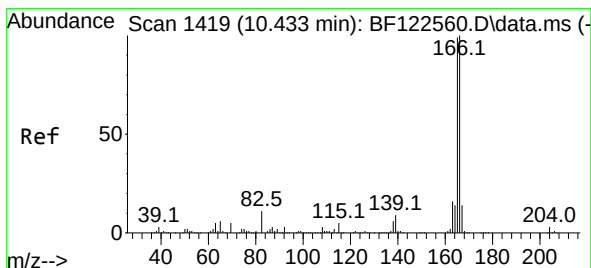
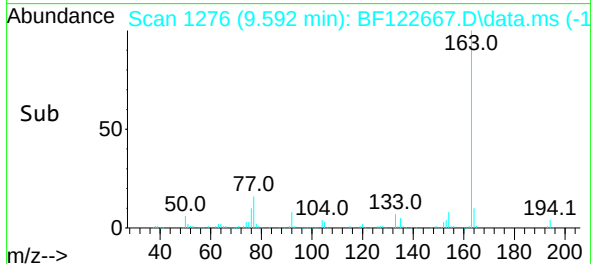
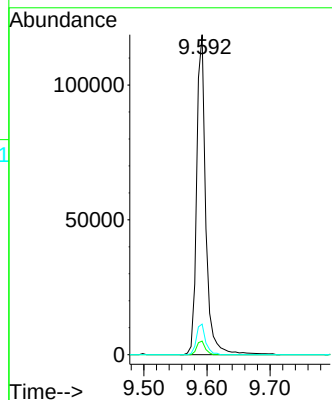
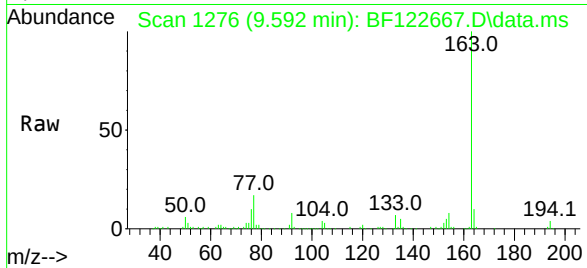




#50
Dimethylphthalate
Concen: 4.69 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

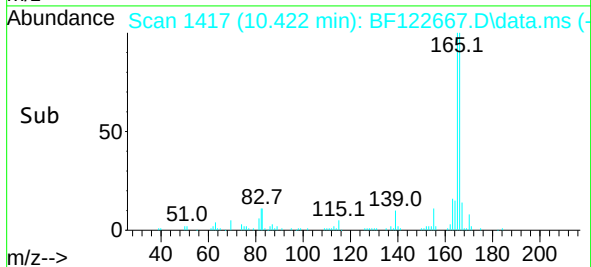
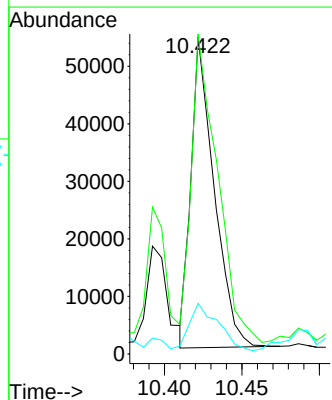
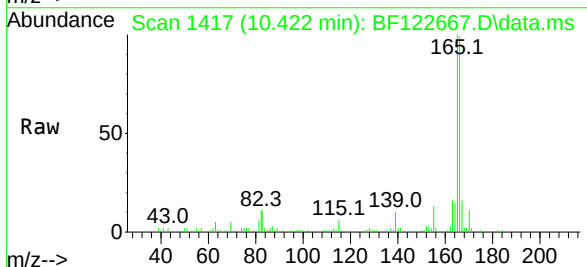
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ClientSampleId :
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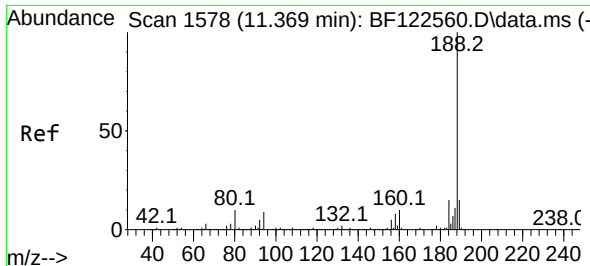
Tgt Ion:163 Resp: 118806
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.6 8.1 12.1



#58
Fluorene
Concen: 2.41 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion:166 Resp: 56233
Ion Ratio Lower Upper
166 100
165 100.9 79.4 119.0
167 16.0 10.9 16.3

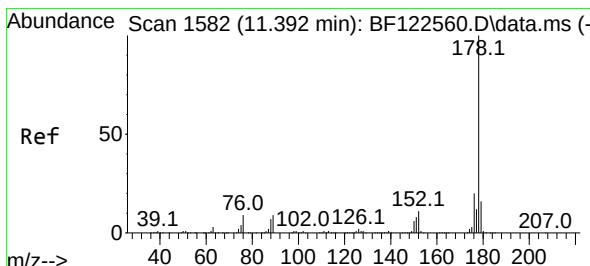
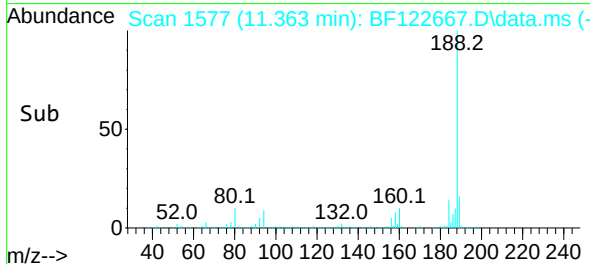
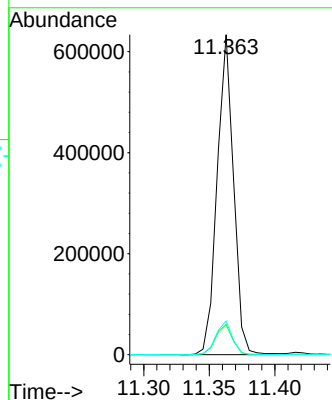
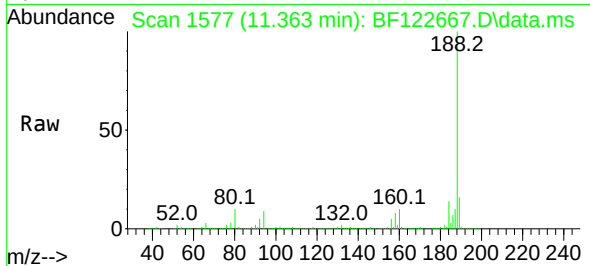




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

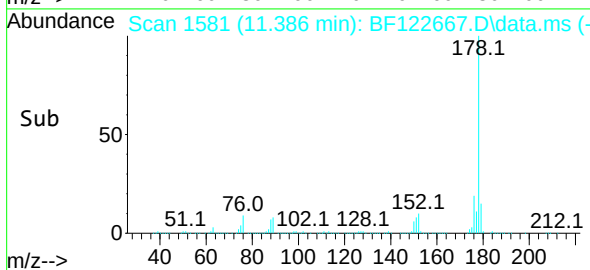
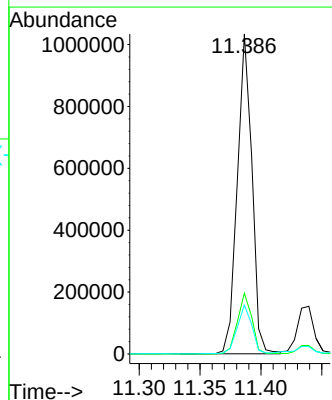
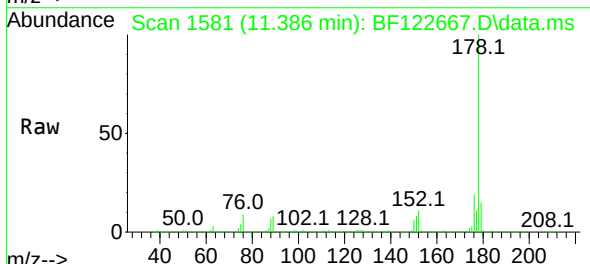
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BNA_F
ClientSampleId :
PE-8

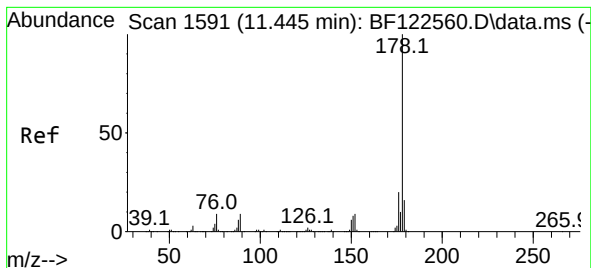
Tgt Ion:188 Resp: 550874
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.5 8.2 12.4



#71
Phenanthrene
Concen: 26.39 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion:178 Resp: 864039
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 15.3 12.7 19.1

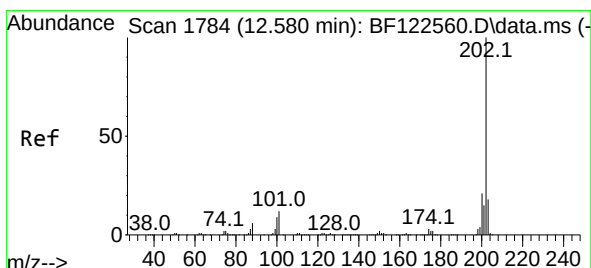
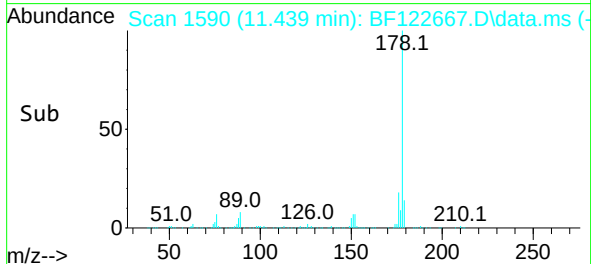
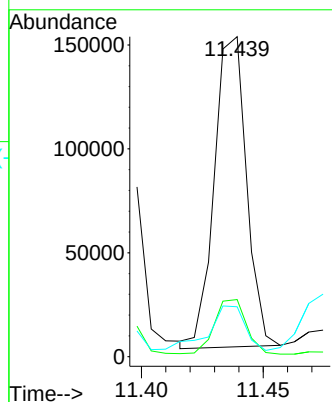
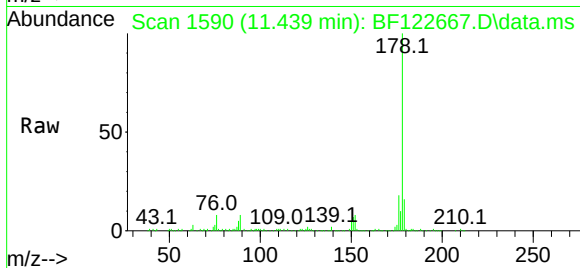




#72
 Anthracene
 Concen: 4.24 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF122667.D
 Acq: 11 Dec 2020 17:12

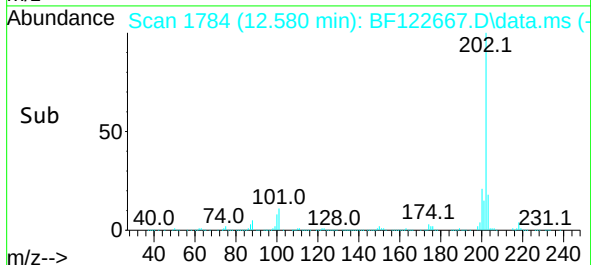
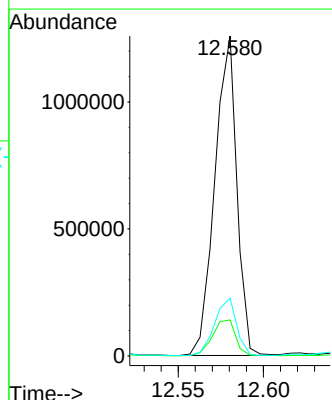
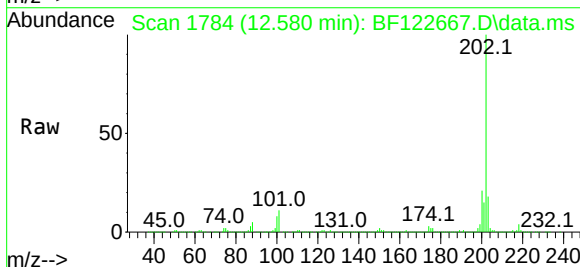
Instrument :
 BNA_F
 ClientSampleId :
 PE-8

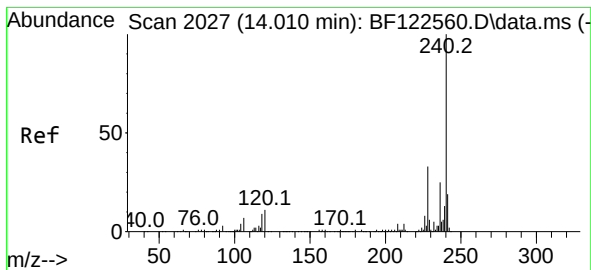
Tgt Ion:178 Resp: 137625
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.6 23.4
 179 15.6 12.8 19.2



#75
 Fluoranthene
 Concen: 32.92 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF122667.D
 Acq: 11 Dec 2020 17:12

Tgt Ion:202 Resp: 1130135
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 32.2
 203 18.0 0.0 38.1

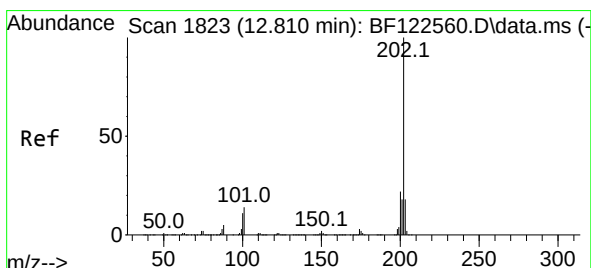
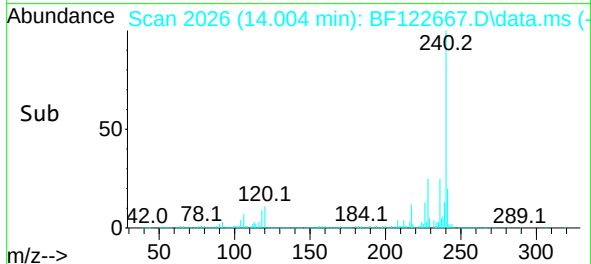
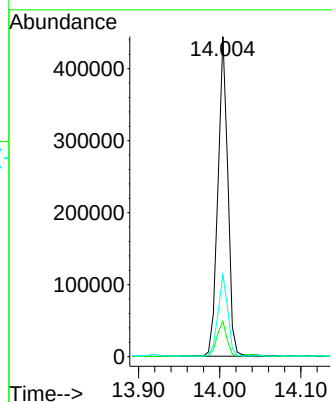
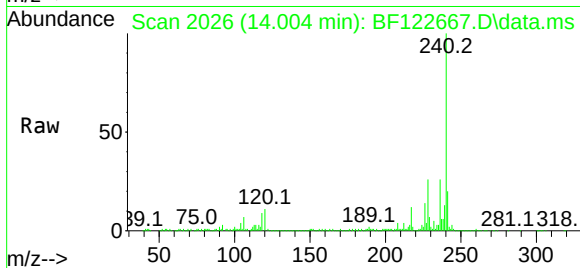




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

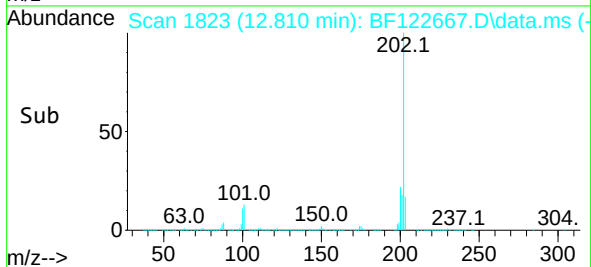
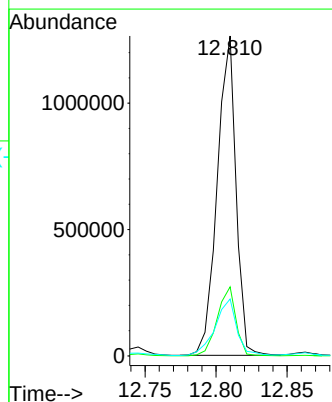
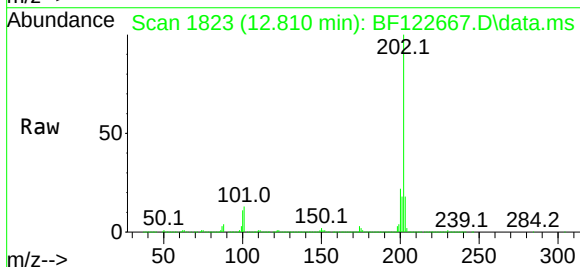
Instrument :
BNA_F
ClientSampleId :
PE-8

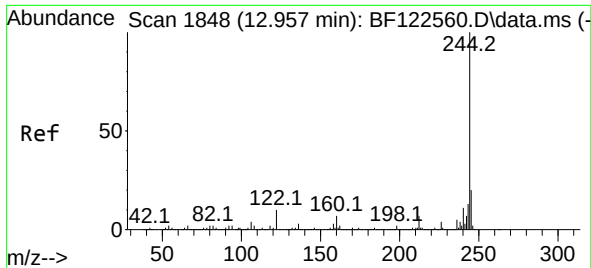
Tgt Ion:240 Resp: 376759
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.7 20.3 30.5



#78
Pyrene
Concen: 39.76 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion:202 Resp: 1158187
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 17.8 14.6 21.8

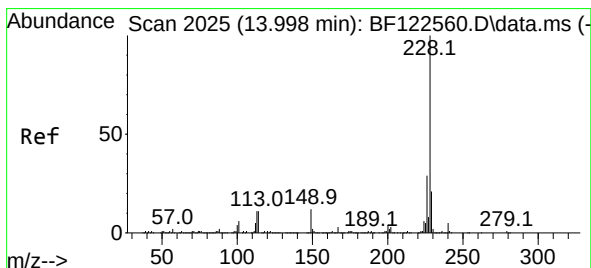
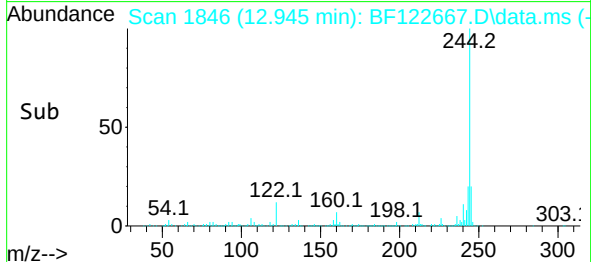
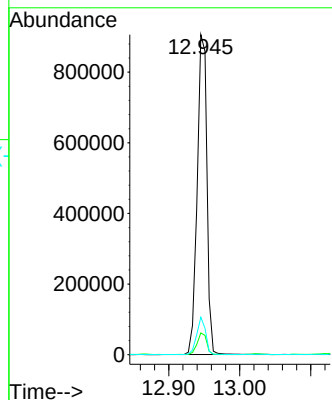
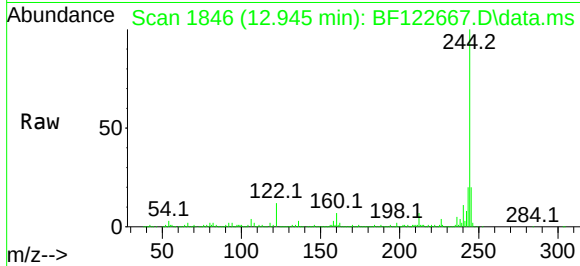




#79
 Terphenyl-d14
 Concen: 40.17 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.012 min
 Lab File: BF122667.D
 Acq: 11 Dec 2020 17:12

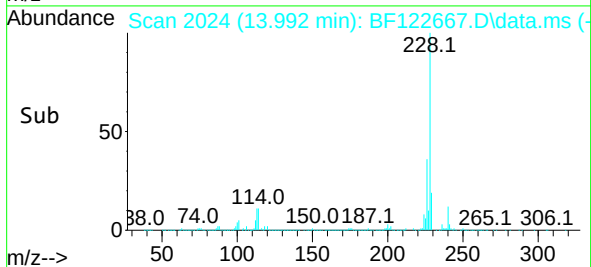
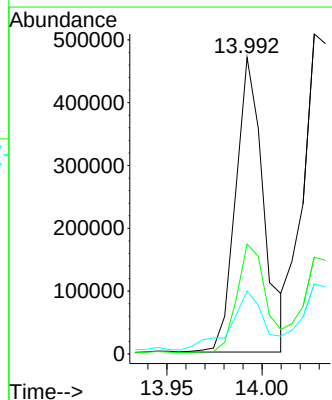
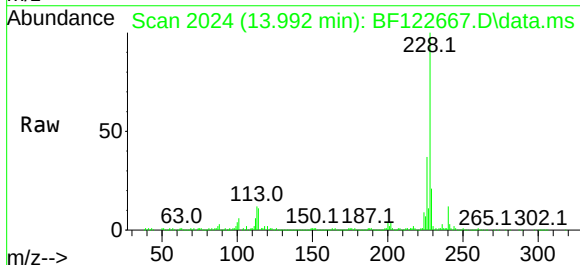
Instrument :
 BNA_F
 ClientSampled :
 PE-8

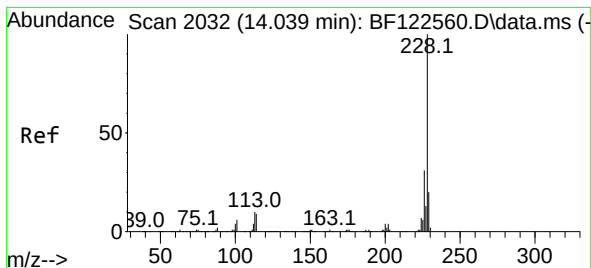
Tgt Ion:244 Resp: 864561
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 11.7 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 18.97 ng m
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF122667.D
 Acq: 11 Dec 2020 17:12

Tgt Ion:228 Resp: 477630
 Ion Ratio Lower Upper
 228 100
 226 37.0 23.0 34.4#
 229 21.2 16.6 24.8





#83

Chrysene

Concen: 21.25 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

Tgt Ion:228 Resp: 532401

Ion Ratio Lower Upper

228 100

226 30.2 24.6 36.8

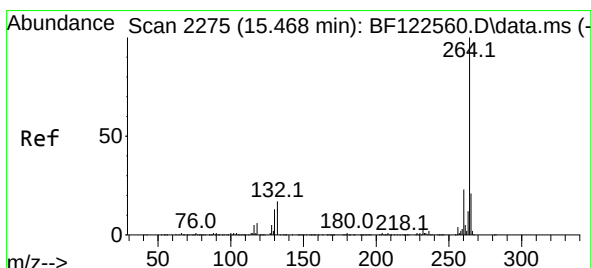
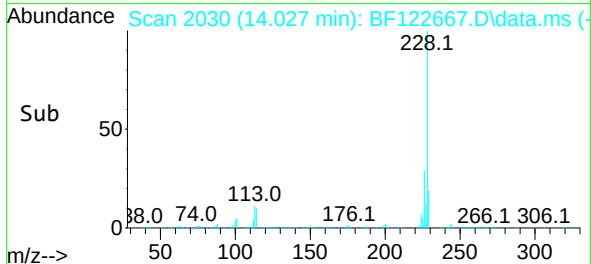
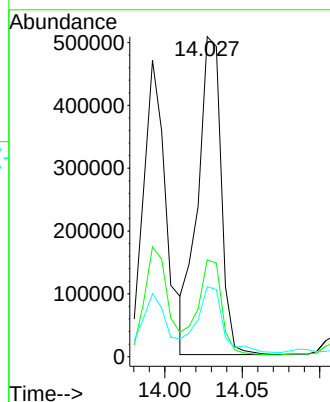
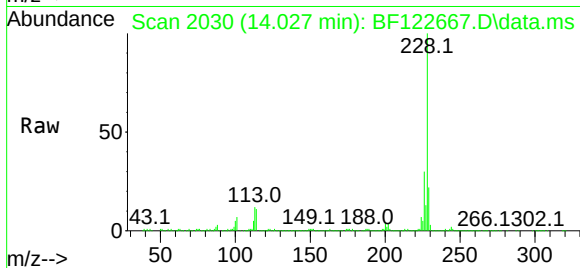
229 21.9 15.8 23.6

Instrument :

BNA_F

ClientSampleId :

PE-8



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

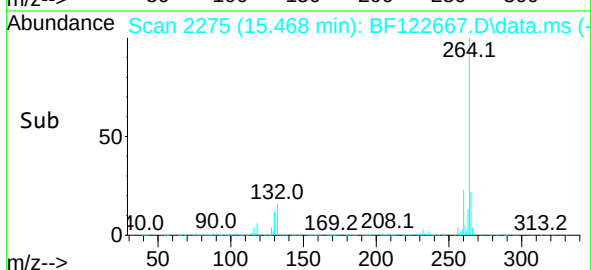
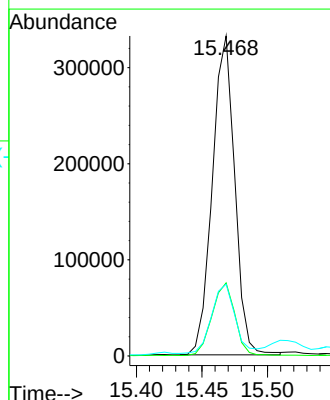
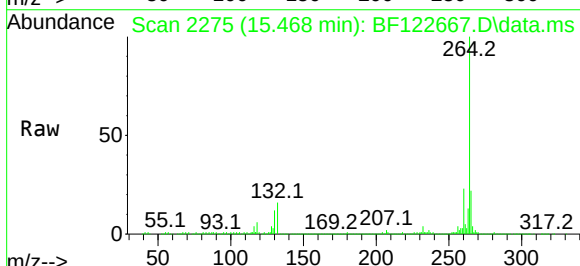
Tgt Ion:264 Resp: 394170

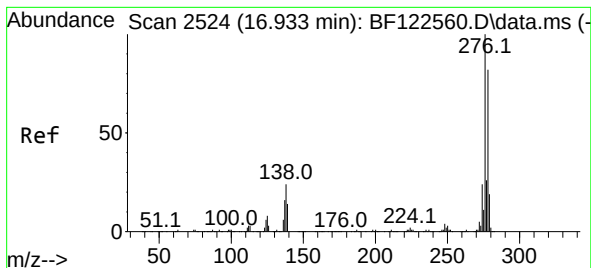
Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.93 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.012 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

Tgt Ion:276 Resp: 282869

Ion Ratio Lower Upper

276 100

138 19.3 18.7 28.1

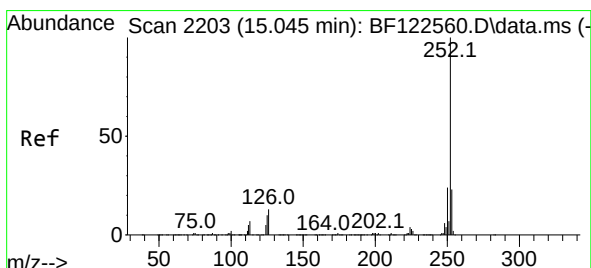
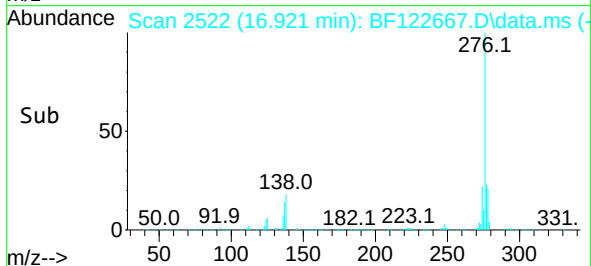
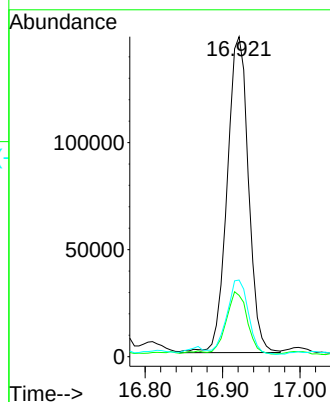
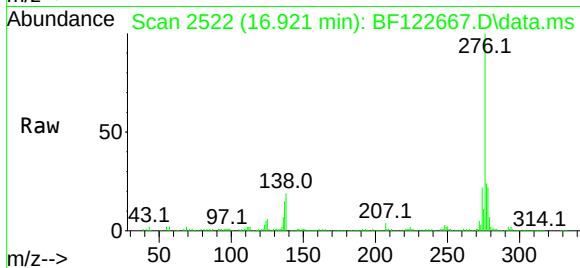
277 23.8 20.2 30.4

Instrument :

BNA_F

ClientSampleId :

PE-8



#88

Benzo(b)fluoranthene

Concen: 22.38 ng m

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

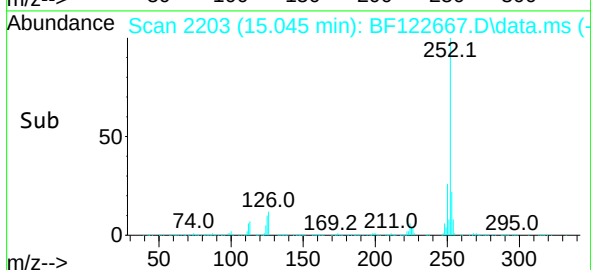
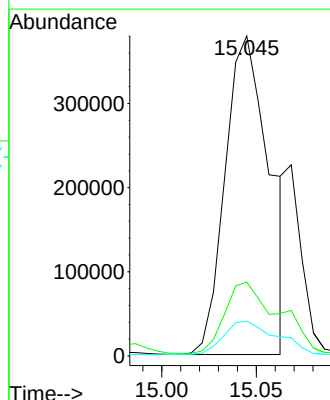
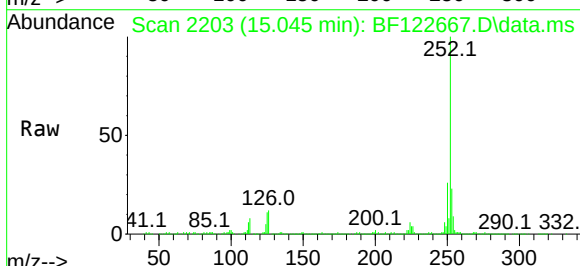
Tgt Ion:252 Resp: 618842

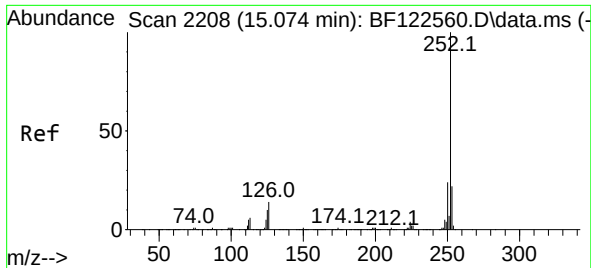
Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

125 10.8 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 5.16 ng m

RT: 15.068 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

Tgt Ion:252 Resp: 130437

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

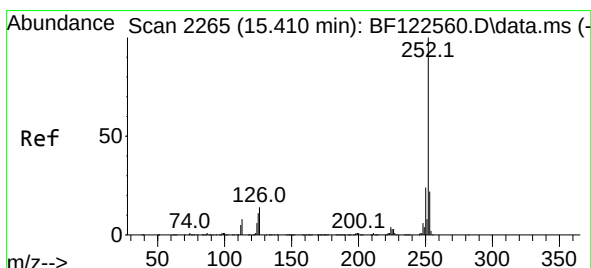
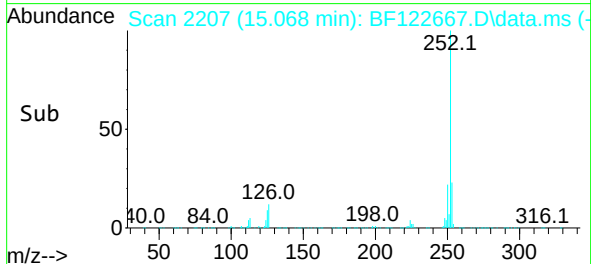
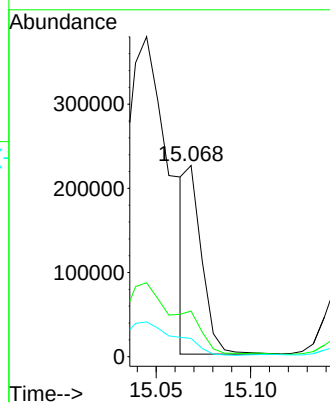
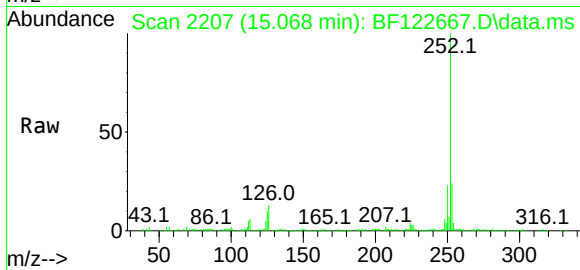
125 9.5 8.4 12.6

Instrument :

BNA_F

ClientSampleId :

PE-8



#90

Benzo(a)pyrene

Concen: 16.93 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF122667.D

Acq: 11 Dec 2020 17:12

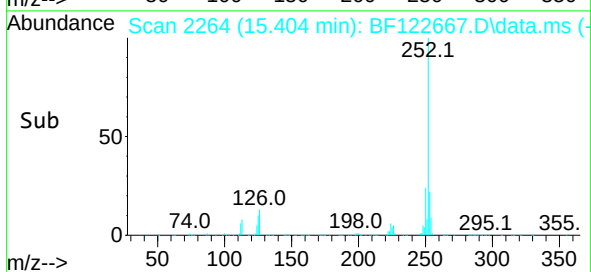
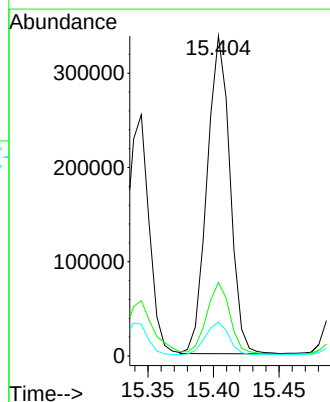
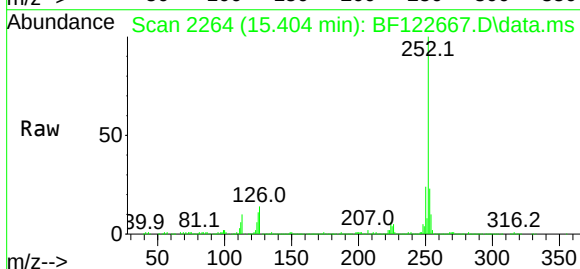
Tgt Ion:252 Resp: 409652

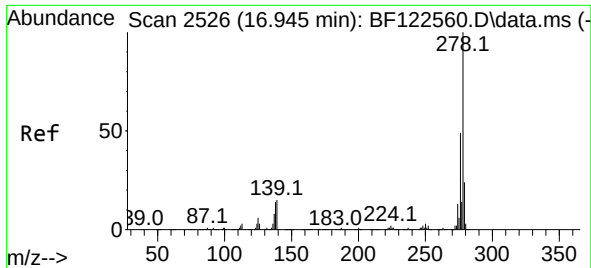
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 10.7 8.6 12.8

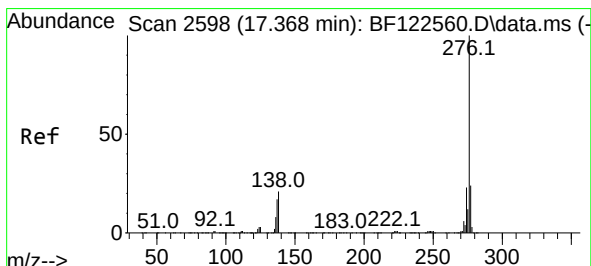
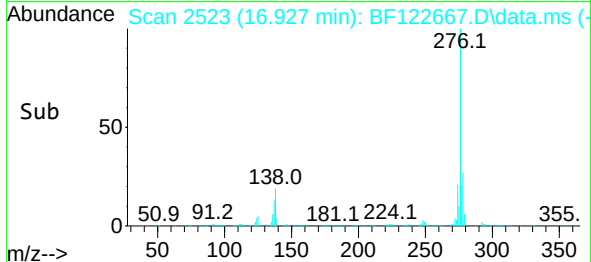
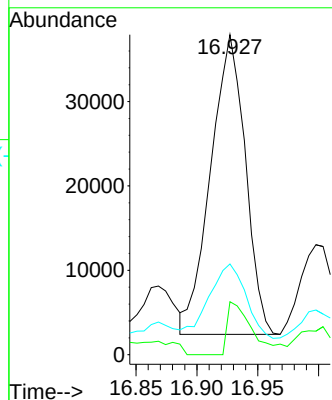
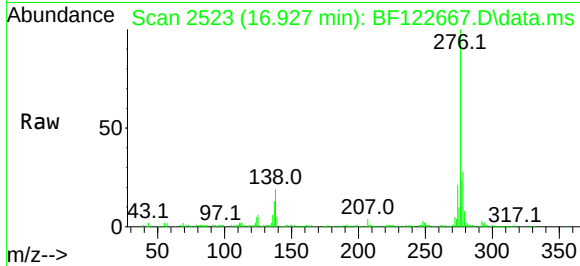




#91
Dibenzo(a,h)anthracene
Concen: 3.32 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.018 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Instrument :
BNA_F
ClientSampleId :
PE-8

Tgt Ion:278 Resp: 70358
Ion Ratio Lower Upper
278 100
139 16.6 12.0 18.0
279 28.4 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 13.78 ng
RT: 17.357 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF122667.D
Acq: 11 Dec 2020 17:12

Tgt Ion:276 Resp: 282491
Ion Ratio Lower Upper
276 100
277 23.5 19.3 28.9
138 20.0 16.6 24.8

